

WESTON Multi-Range Analyzers

MODEL 80 SERIES

OCTOBER 1966

06-212-E

DECEMBER 1966

COMPARE

WESTON® MODEL 80 SERIES

— FEATURE FOR FEATURE —

- **ACCURACY**—High accuracy capabilities—see individual specifications.
- **READABILITY** — console type presentation provides optimum readability of scale and control deck, whether sitting or standing; large 5½ inch meter.
- **RELIABILITY**—Sound, basic design, with hi-impact ABS plastic cases, spring backed jewels, precision components.
- **PARALLAX CORRECTION**—Unique refractive-type anti-parallax scale for "on the mark" readings.

SITTING



STANDING



The Weston Model 80 Series is the first completely new multi-meter design in years! Through human engineering, the Model 80 Series incorporates all the features wanted by the man at the bench. These advanced, general-purpose instruments are extremely easy to read and offer maximum operating convenience, portability, ruggedness, and unusually high accuracy.

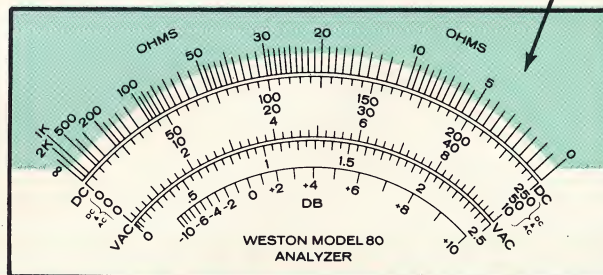
Scales and operating deck are both slanted at an ideal viewing angle, whether the operator is standing or seated. A large Weston 5½-inch meter is equipped with a unique refractive-type, anti-parallax scale which provides an unusual new approach to reading accuracy, regardless of lighting conditions. A single switch controls both functions and ranges.

The Model 80 Analyzer contains both fuse and diode circuitry to protect against over-loads. It is equipped with a polarity reversing switch which may be operated even under load, and has provision for self-storing leads.

On The MARK Readability

WITH THE NEW ANTI-PARALLAX SCALE!

REFRACTIVE PLASTIC OVERLAY



WRONG



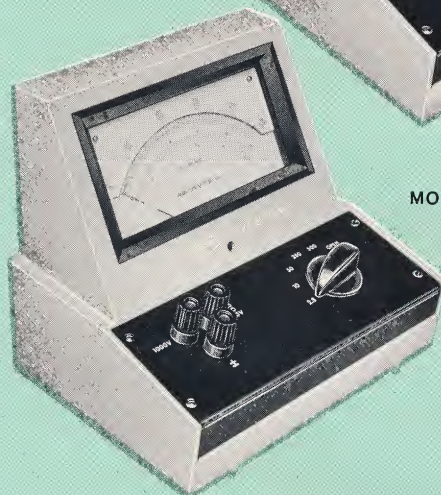
RIGHT



MODEL 80



MODEL 81



MODEL 82



MODEL 80 TYPE R

WESTON INSTRUMENTS, INC.
WESTON — NEWARK DIVISION

614 FRELINGHUYSEN AVENUE • NEWARK N. J. 07114

PRINTED IN U.S.A.

WESTON

Multi-Range Analyzers

MODEL 80 SERIES

SPECIFICATIONS

VOLT-OHM-MILLIAMMETER — MODEL 80

Accuracy 1% DC, 1.5% AC Ohmmeter—1% of Linear Scale 1 & 5 KV—2% DC and 2.5% AC
 Scale Length 4.9"
 Ranges DC Volts — 0.25 / 1 / 2.5 / 10 / 25 / 50 / 100 / 250 / 1 KV / 5 KV / @ 20,000 Ω / volt.
 AC Volts — 2.5 / 10 / 50 / 250 / 500 / 1 KV / 5 KV / @ 5,000 Ω / volt.
 DC Current — 50 μ a / 1 / 10 / 100 ma / 1 and 10 amps.
 Ohmmeter — Five Ranges; 2 k to 20 meg, full scale; 20 to 200 k center scale.
 DB Scale — -10 to +10 DB.
 Price Cat. No. 80-9008001 s. \$89.50

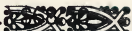
RACK MOUNTING—MODEL 80 TYPE R

Model 80 Type R for rack mounting has the same specification as Model 80 except that the 5,000 volt ranges have been eliminated.


Size: 19" wide x 5-7/32" high x 3-1/2" deep.

Price: Cat. No. 80-9008002s. \$94.50


D-C VOLTMETER — MODEL 81

Accuracy 1% except 2.0% on the 1000 volt range
 Scale 50 divisions
 Ranges 0.25 / 1 / 2.5 / 5 / 10 / 25 / 50 / 100 / 250 / 1000
 Sensitivity 20,000 ohms per volt
 Price Cat. No. 81-9008102 s.  \$ 73.25


D-C MILLIAMMETER / AMMETER — MODEL 81

Accuracy 1%
 Scale 100 and 60 divisions NOTE: The 10 ma range has a drop of 50 mv so that the meter can be used with external shunts.
 Ranges 10 / 30 / 100 / 300 milliamperes, 1 / 3 / 10 amperes
 Price Cat. No. 81-9008101 s.  \$ 73.25


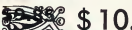
D-C MICROAMMETER / MILLIAMMETER — MODEL 81

Accuracy 1%
 Scale 100 and 60 divisions
 Resistance 2500 / 1390 / 475 / 164 / 50 / 16.6 / 5 ohms
 Ranges .1 / .3 / 1 / 3 / 10 / 30 / 100 milliamperes
 Price Cat. No. 81-90081003 s.  \$ 73.25

A-C VOLTMETER—MODEL 82

Accuracy 1.5% The combination of film resistors and selected germanium diodes results in temperature and frequency influence usually less than 1% for a change of 10°C and frequencies from 25 to 2000 cycles. Ranges below 250V are useable to 15kc.
 Scale 50 divisions
 Ranges 2.5 / 10 / 50 / 250 / 500 / 1000 volts
 Sensitivity 5000 ohms per volt
 Type Rectifier Type
 Price Cat. No. 82-9008201 s.  \$ 76.50

A-C MILLIAMMETER / AMMETER — MODEL 82

Accuracy 2% from 60 to 400 cps; from 25 to 1000 cps the frequency influence is 1.5%. The instrument is useable to 5 kc.
 Loss From approximately 0.5 va for the low ranges up to 1.5 va for the 5 ampere range at 60 cps.
 Scale 100 divisions
 Ranges 50 / 100 / 200 / 500 milliamperes, 1 / 2 / 5 amperes
 Type Transformer — rectifier
 Price Cat. No. 82-9008202 s.  \$ 76.50
 Leather Carrying Case Model 9959 PN250753 s.  \$ 10.50